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FIZIKA METALLOV I METALLOVEDENIE
(Physics of Metals and
Metallography - monthly)
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On Antiferromagnetism Theory, by V. M.
Tsukernik, 6 pp.

METALL
RUSSIAN, per. Fiz Metal i ~~Met~~ ~~Met~~ ~~Met~~,
Vol IV, No 3, 1957, pp 566, 567.

SLA R-2363

Sci

Aug 58

72,022

TT-64-14054

Krasnichenko, L. V. and Shchirzhetskii, M. N.
INFLUENCE OF OXIDES ON THE PHYSICAL PROPERTIES OF STEEL-METALLIZED LAYERS. [1963]
8p (figs tables omitted) 3refs
Order from OTS, SLA, or ETC \$1.10 TT-64-14054

Trans. of #Fizika Metallov i Metallovedenie (USSR)
1957, v. 5, no. 1, p. 137-141.

(Metallurgy--Ferrous Metals, TT, v. 11, no. 12)

I. Krasnichenko, L. V.
II. Shchirzhetskii, M. N.

Office of Technical Services

Crystals Deformed in Tension to Rupture, by
F. P. Butra.

RUSSIAN, per, Fiz Met i Metall, Vol XV, No 6,
1963, pp 873-879.

NLL(LOAN)Ref: 5828.4 1963 (10,422)

Sci-~~Eng~~ Phys
April 64

The High-Temperature Electrical Resistivity of Some
Transition Metals, by I. I. Kovenskiy, G. V. Samsonov.

RUSSIAN, per, Fiz Met i Metall, Vol XV, No 6, 1963,
pp 940-941.

NLL(LOAN)Ref: 5828.4 1963 (5423)

Sci-Chem Phys
April 64

Effect of Preliminary Plastic Deformation
on the Brittleness of Steel at 4.2° K. by
O. V. Ilyushin and B. I. Smirnov, 3 pp.
RUSSIAN, per, Engineering Metallurgy
Journal, Vol 10, No 1, 1963, pp 134-135.
REF ID: A64-1237 969/243

Ref-10/11
Jun 64

282,231

Screening of Metal-Metal Bonds in Equiatomic Oxides
and Carbides of Transition Metals With the NaCl
Structure, by V. A. Tskhai, P. V. Gel'd, 5 pp.
RUSSIAN, per, Fiz Metal i Metall, Vol XVI, 1963,
pp 493, 494. 9222667
ABC-Tr-6388

Sci-Phys
Jun 64

260,919

Concentration Region of Homogeneity of Carbides of
Transition Metals of the Fourth and Fifth Groups
With NaCl Structure, by V. A. Tskhai, P. V. Gel'd,
5 pp.
RUSSIAN, per, Fiz Metal i Metall, Vol XVI, 1963,
pp 495, 496. 9222650
AEC-Tr-6374

Sci-Phys
Jun 64

260,508

Theory of X-Ray Scattering by Crystals Containing Dislocations. Case of Randomly Distributed Dislocation Loops by M. A. Krivoglaз, K. B. Ryaboshapka. RUSSIAN, per, Fiz Metall i Metall, Vol XVI, No 5, 1963, pp 641-654.

•AERE--Harwell

Sci-Phys
Mar 64

High-Temperature Ultrasonic Heating and Its Use in
the Study of Metals and Alloys, by Yu. F. ~~XX~~ Balalayev,
S. Z. Bokshtein.
RUSSIAN, per, Fizika Metallov i Metallovedenie,
Vol XVI, No 6, 1983, pp 872-876.
HB 6210

Sci - M/M
Apr 64

255,945

The Behaviour of the Interfering
Elements of Iron-Carbon Alloys,
by R. A. Sidorenko.
RUSSIAN, per, Fiz Metall. Metalloved.
1963, Vol 16, No 6, pp 877-885.
MLL 5828.4 1964 (5499) (On Loan)

Aug 65

286,955

The Problem of Diffusion in Polycrystals, by
S. M. Klotzman,

RUSSIAN, per, Fizika Metallov i Metallovedenie,
Vol XVI, No 6, 1963, pp 895-903.

NLL Ref: 5828.4 1964 (5478)
(loan copy)

Sci
Sep 64

TT-64-19144

Phase Components of the Tantalum-Carbon System,
by L. B. Dubrovskaya, G. P. Shveykin, et al.
RUSSIAN, per, Fiz Metal i Metall, Vol XVII, No 1,
1964, pp 73-77.
NASA TT F-9068

AEC-Tr-6511 (9226339)

Sci-Mat & Met

Nov 64

U.S. GOVERNMENT ONLY

268,807

Determination of the Crystal Lattices of High-pressure Phases without Employing High Pressures in the Investigation, by Iu. S. Genshaft,
FOR OFFICIAL USE ONLY NOT FOR DISTRIBUTION
RUSSIAN, per, Fizika Metallov i Metallovedenie,
VolXVIII, No 1, 1964, pp 116-120.
AFCRL T-R-476

Sci-
Sept 66

310,547

Influence of Alloying on the Thermal Expansion
of Titanium, by S. F. Kovtun and R. A. Ul'yanov,
8 pp
RUSSIAN, per, Fizika Metallov i Metallovedeniye,
Vol 17, No 2, Feb 64, pp 263-268.
JPRS: 29652

USSR
Sci-Mat/Mat
Apr 65

279,020

Rupture of the Rod at the Encounter of Two Short
Pulses of Tensile Stresses, by F. F. Vitman,
M. I. Ivanov, et al, 12 pp. ~~RUSS~~
RUSSIAN, per, Fiz Metall i Metall, Vol XVII, No 3,
1964, pp 435-439.
Navy 4009/NRL 999

Sci-Phys
Feb 65

274,172

The Character of Martensite Texture After
Thermo-mechanical Treatment, by S. S.
Gorelik, et al.
RUSSIAN, per, Fiz Metal Metallurg,
1964, Vol 17, No 3, pp 474-476.
NLL 5828.4 1964 (5489) (On Loan)

Aug 65

286,945

Effect of Alloying on the Electrical Resistivity of
Titanium, by R. A. Ul'yanov and S. F. Kovtun, 8 pp
RUSSIAN, per, Fizika Metallov i Metallovedeniye,
Vol 17, No 4, 1964, pp 505-511.
JPRS 29652

USSR
Sci-Mat/Mat
Apr 65

279,021

Elastic Constants of Titanium-Niobium Alloys,
by S. G. Fedotov and O. K. Belousov, 7 pp
RUSSIAN, per, Fizika Metallov i Metallovedeniye,
Vol 17, No 5, May 1964, pp 732-736.
JPRS 29652

USSR
Sci-Mat/Mat
Apr 65

279,022

The Effects of a Third Component on the Physical
Properties of Al-In Alloys, N. I. Varich,
L. M. Burcov, et al. 9 pp.
RUSSIAN, per, Fizika Metallov i Metallovedeniye,
Vol 18, No 3, 1964, pp 396-400. P100011866
FTD-TT-65-2017

Sci/Materials
Sep 66

309,353

Self-Diffusion in Polybenzene, by L. V. Pavlinov,
V. M. Lykov.
RUSSIAN, per, Fiz Metal i Metal, Vol XVIII, No 3,
1964, pp 459-461.
*FTL-TT-65-1459

Sci - M/L
Sep 65

NCH-200 636

Field 20B

Antipova, E. I.; Lozinskiĭ, M. G.; Mirotborskii, V. S.
THE KINETICS OF STRENGTH LOSS DURING RE-
CRYSTALLIZATION. Nov 64, 6p (figs omitted)
(foreign text included) 1ref. NLL-M,5617;
INC-Trans-64/201.
Order from NLL as M,5617

Trans. of Fizika Metallov i Metallovedenie (USSR) v18 n3
p473-5 1964.

I. International Nickel Co.
(Mond) Ltd.,
London (England)

Investigation of the Kinetics of Low-Temperature
Transformations in Alloyed Permalloys, by
M. A. Dol'shanina.
RUSSIAN, per, Fiz Metal i Metalloved, Vol 17, No 4,
1964, pp 512-518.
ATS RJ-5112

Sci-Phys
July 69

385,496

Influence of Stresses on Negative Creep in Chrome-
Nickel Titanium Steels, by B. M. Rakhman.
RUSSIAN, per, Fiz Metal i Metal, Vol XVIII, No 5,
1964, pp 687-790 9280557
AEC-ORNL-Tr-72

Sci -M/M
Jan 66

204,312

EFFECT of Alloying on Physico-Mechanical
Properties of Niobium, by N. D. Tarasov,
et al, 12 pp.
RUSSIAN, per, Fizika Metallov i Metallovedeniye
Vol XVIII, No 5, 1964, pp 740-745.
9693666
FTD-TT-65-915
NHSA - TT - F-9374

Sci-1/11

Nov 65

291,437

Some Regularities in the Destruction of
Metal Surfaces That Are Subjected to
the Action of Cavitation in Molten Lead,
by I. N. Bogachev, V. S. Litvinov, et al.

10 pp.

RUSSIAN, per, Fizika Metallov i Metallovedeniye,
Vol XVIII, No 5, 1964, pp 752-757.

P100063667

FTD INT 66-317

Mechanical
Mar 67

320,735

Study of the Effect of Boron on the Properties
of Nickel, Using the Internal Friction
Method, by B.I. Shapoval.
RUSSIAN, per Fizika Metall., Vol. 18, No. 5,
1964, pp 796-798.
NIL/5828.4 1965 (5681)

Sci -
Aug 67

337-624

Investigation of the Formation of an
 α -Solid Solution of Nitrogen in Zirconium
at High Temperatures, by S. Ye. Salibekov,
Yu. V. Levinskiy, 7 pp.

RUSSIAN, per, Fiz Metall i Metallov,
Vol XVIII, No 6, 1964, pp 858-861.

9699063

FTD-TT-65-1183

Sci - Chem
Jan 66

294,747

High-Temperature Thermomechanical Treatment of
Metals and Alloys, by Ye. N. Sokolov and V. D.
Sadovskiy, 22 pp
RUSSIAN, per, Fizika Metallov i Metallovedeniye,
Vol XIX, No 2, 1965, pp 226-240
JPRS 29334

USSR
Sci-Mat/Met
Apr 65

279,325

On the Problem of Determination of Elastic
Coefficient in the Plastic Deformation of Solids, by
Yu. P. Romashkin, 12 pp.

RUSSIAN, per, Fiz Metal i Metalloved Ak Nauk SSSR,
Ural' Filial, Vol VII, 1959, pp 825-831.

AEC tr-3063

Sci - M Phys
Jan 60

105,832

15 235

US-14

VASENIN F. I.

Purification of tellurium and antimony

Fiz. Met. i Metalloved., Ural'sk. Filial Akad. Nauk SSSR, 3,
No. 2, 360-362 (1956)

RJ 889. \$ 5.50 - English

E u r a t o m

12 515

US-14

SHIROKOVSKII V. P.

Electron states in crystals

Fiz. Met. i Metal., Akad. Nauk SSSR, Ural'sk. Filial, 6,

No. 1, 3-14 (1958)

RJ-2622. \$ 15.95 - English

E u r a t o m

Physics of Interstellar Surroundings, by S. B.
Pikel'ner, UNCLASSIFIED
223 pp.

RUSSIAN, bk, Fizika Mezhsvezdnoy Sredy, Moscow,
1959. CIA 9662349.

AFIC MCL-661/V

Sci - Physics
23 Jun 60

152, 280

IC 41144

63-15927

Shuleikin, V. V.
ACOUSTICS OF THE SEA. PT. VII. (Akustika Morya)
tr. by M. Slessers. 1962 [112]p. 21 refs.
HO Trans-466.
Order from OTS or SLA \$9.60 63-15927

Trans. of mono. Fizika Morya (Physics of the Sea)
Moscow, 1953, p. 639-726.

DESCRIPTORS: *Acoustics, *Oceans, *Marine geophysics,
*Underwater sound, *Underwater sound equipment,
Design, Measurement, Analysis, Equations, Propagation,
Sound, Ultrasonic properties, Hydrophones,
Piezoelectric gages, Magnetostriction, Echo ranging.

The propagation of sound waves in the air and water is
analyzed, taking into consideration the physical and
chemical characteristics of the water medium which affect
the diffusion, reverberation and velocity of sound.
(Physics--Acoustics, TT, v. 10, no. 3) (over)

I. Shuleikin, V. V.
II. HO Trans-466
III. Naval Oceanographic
Office, Washington, D. C.

Office of Technical Services

Acoustics of the Sea, by V. V. Shul'gin.
UNCLASSIFIED

RUSSIAN, bk, Fizika Moei Moria, Vol VII, Moscow,
1953, pp 689-726.

Navy 2263/DO 466

Sci - Geophysics
Aug 59

95, 665

Molecular Physics of the Sea, by V. V. Shuleykin.
UNCLASSIFIED

RUSSIAN, bk. Fizika Moria, Part IV, Paragraphs
1-9 of Part VIII, Moscow, 1953, pp 727-786

Navy 2269/HO 455

Sci - Geophysics
Aug 59

95,664

Table of Contents of "Physics of the Sea", by
V. V. Shuleykin. UNCLASSIFIED

RUSSIAN, bk, Fizika Morya, 3rd and Suppl Edition,
Moscow, 1953, 989 pp. 9676836

*Navy/NRL

Sci - Geophysics
Aug 59

Navy 2328/NRL-742

Thermion of the Sea, by V. V. Shuleykin.
UNCLASSIFIED

RUSSIAN, bk, Fizika Moria, Part IV, 1958,
pp 293-2395.

Navy 2270/EO 458

Sci - Geophysics
Aug 59

95, 666

Molecular Physics of the Sea, by V. V. Shuleykin.
UNCLASSIFIED

RUSSIAN, bk, Fizika Moriya, Part VIII, Section 10,
3rd Ed, 1953, pp 786-789.

Navy 2520/ERL 797

Sci - Geophysics
Jun 60

117,290

Shuleikin, V. V.
THERMICS OF THE SEA (Termika Morya) tr. by
M. Slessers. 1963 [145p] HO Trans-458.
Order from OTS, SLA, or ETC \$11.00 TT-63-23658

Trans. of mono. Fizika Morya (Physics of the Sea)
[3d ed] Moscow, 1953, pt. 4, p. 293-395.
(Abstract available)

DESCRIPTORS: *Marine geophysics, *Oceans, Solar
radiation, Heat transfer, Evaporation, Water, Surface
temperature, Distribution, Ice, Diurnal variations,
*Thermodynamics.

This part of the book on "Physics of the Sea" discusses
the following aspects: (1) Influx of heat. Direct solar
radiation and diffuse radiation of the celestial arc. (2)
Loss of heat to evaporation. (3) Loss of heat to atmos-
phere. Methods of measuring evaporation at sea
surface. (4) Loss of heat by radiation. (5) Process of
(Earth Sciences--Oceanography, TT, v. 11, no. 9) (over)

TT-63-23658

- I. Shuleikin, V. V.
- II. Title: Physics...
- III. HO Trans-458
- IV. Navy Hydrographic
Office, Washington, D. C.

Office of Technical Services

The Distribution of Sound Velocities in the North
Atlantic Ocean in the Autumn and Spring Seasons,
by M. A. Ivanova.
RUSSIAN, bk, Fizika Morya, 1963, pp 23-21.
•Navy/HQ Tr 224

Sci - Earth Sci & Astron
Jun 64

TT-64-13627

Shuleikin, V. V.
MOLECULAR PHYSICS OF THE SEA (Molekulyarnaya
Fizika Morya) M. Slessers, tr. 1963 [89p] [NOO]
Trans-465[rev]
Order from OTS, SLA, or ETC \$8.10 TT-64-13627

Trans. of mono. Fizika Morya (Physics of the Sea)
Moscow, 1963, p. 8, p. 727-786.

I. Shuleikin, V. V.
II. Title: Physics...
III. NOO-Trans-465 rev
IV. Naval Oceanographic
Office, Washington, D.C.

(Earth Sciences--Oceanography, TT, v. 12, no. 1)

Office of Technical Services

Physics of Low-Energy Neutrons, by Gurevich and
L. V. Tarasov,
RUSSIAN, bk, Физика Нейтронов Низких Энергий,
Nauka Press, 1965.

*Plenum Press

Cloud Physics, by A. M. Borovikov, A. Kh. Khrgian, 392 pp.
RUSSIAN, bk, Fizika Oblakov, 1961, 459 pp.

OTS -63-11141
PL-480

Sci - Phys
Feb 64

250,877

Physics of Planets, by V. I. Moroz.
RUSSIAN, bk, Fiziki Planet, 1967, 496 p.
NASA TT F-515 *P910118368-V*

Sci/Astron
Oct 68

369,094

Plasma Physics, by D. V. Skobel'tsyn,
RUSSIAN, bk, Fizika Plasmy.
*CB

Oct 66

The Betatron Method of Heating a Plasma to a
High Temperature, by G. I. Budker. UDC

RUSSIAN, par, Fizika Plasmy, Vol I, 1958,
pp 122-129.

DSIR LLU M.966

(loan)

Sci - Phys
May 60

116.504

On the Motion of a Charged Particle in Rapidly
Alternating Electro-Magnetic Fields, by A. A.
Vedenov, L. I. Rudakov, 9 pp.

RUSSIAN, monograph, Fizika Plazmy, Vol IV, 1958.

SLA 59-22423

Sci

OTS, Vol III, No 8

Apr 61

145, 164

^u
The Behaviour of Plasma in a Rapidly Alternating
Magnetic Field, by B. A. Trobnikov, 32 pp.
Vol IV,
RUSSIAN, bk, Fizika Plazmy, /1958, pp 309-330.

AEC MP Tr 269

Sci - Phys

SLA 66-1644

Sep 59

96,724

The Instability of Plasma in a Magnetic
Field in the Presence of Ionic Beams, by
Kadomtsev. UNCL

RUSSIAN, per, Fizika Plasmy, Vol IV, 1958,
pp 364-369.

DSIR LLU M.967

(loan)

116,506

Sci -- Phys
May 60

Injection of a Plasma Into a Closed
Magnetic Trap With a Double-Helix
Field, by G. M. Batanov, et al.
RUSSIAN, bk, Fizika Plazmy, Moscow,
1966, pp 7-19.
NASA TT F-11,631

Sci/Phys
Oct 68

368,962

Toroidal Stellarator-Type Magnetic Trap With
External Plasma Injection, by M. S. Berezhet'skiy.
RUSSIAN, in, Fizika Plazmy, Nauka, 1966,
pp 20-28.
NASA TT F-11,630

Sci
Dec 68

368,788

Plasma Physics and the Problem of Controllable
Thermonuclear Reactions, *by A. Leontovich*

RUSSIAN, bk, Fizika Plazmy i Problema Upravlyayemykh
Termoyadernykh Reaktsiy, Vol I, 1958, 300 pp;
Vol II, 256 pp; Vol III, 363 pp; Vol IV, 440 pp,
1958.

~~ATTC~~ PERGAMON PRESS

AEC TR-6394

AECI Alt 580902

34 pages

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29 Jan 1959

~~check Bulletin~~
~~not to be~~
~~used~~

Plasma physics and the Problems of Controlled
Thermonuclear Reactions, by A. M. Leontovich,

RUSSIAN, bk, Fizika plazmy i problema
upravlyaemykh termoyadernykh reaktsii,
4 Vol. Ussr Acad of Sci, 1958.

*Pergamon Inst
per. inst 2.1.1959

May 59

12 812

AT-1

TAMM I. E.

Theory of the magneto-thermonuclear reactor. Part I. Properties of a high-temperature plasma in a magnetic field

Die Theorie des Magneto-thermonuklearen Reaktors. Teil I. Eigenschaften eines Hochtemperaturplasmas im Magnetfeld

Fiz. Plazmy i Probl. Upravlyaemykh Termoyadernykh Reaktsii,

1, 3-19 (1958)

Physikalische Abhandlungen aus der Sowjetunion, 1, No. 1, 46-59 (1959) - German

Ph, 1960/61, No. 107 - German

E u r a t o m

12 813

AT-1

TAMM I. E.

Theory of the magneto-thermonuclear reactor. Part III. Drift and thermal conductivity of a plasma in a toroid and in the presence of a stabilizing current

Die Theorie des Magneto-thermonuklearen Reaktors. Teil III. Die Drift und Wärmeleitfähigkeit des Plasmas im Toroid bei Existenz eines stabilisierenden Stromes

Fiz. Plazmy i Probl. Upravlyaemykh Termoyadernykh Reaktsii,
1, 31-41 (1958)

Physikalische Abhandlungen aus der Sowjetunion, 1, No. 2,
148-157 (1959) - German

Ph, 1960/61, No. 108 - German

E u r a t o m

Plasma Physics and Problems of Controlled
Thermonuclear Fusion, 509 pp.
RUSSIAN, bk, Fizika Plazmy i Problemy
Upravlyayemogo Termoyadernogo Sinteza,
1963, pp 1-367.
FTD-MT-65-31

Sci - Phys
Sept 65

289,915

Plasma Physics and Problems of Controlled
Thermo-Nuclear Synthesis, Chapter Seven,
Diagnostics of Plasma, by K. D. Sinel'nikov.

RUSSIAN, bk, Fizika Plazmy i Problems
Upravlyayemogo ~~Ik~~ Termoyadernogo Sinteza,
~~Izd-vo Ak. Nauk Ukrainskoy SSR~~, 1963,
pp 315-342.

FTD-MT-64-214

Sci - Phys
Apr 64

*Completed for F21 com
with the community at 270.*

Plasma Physics and Problems of Controlled of
Controlled Thermonuclear Synthesis. Reports of the
First Conference on Plasma Physics and the Problems
of Controlled Thermonuclear Reactions, 201 pp.
RUSSIAN, bk, Fizika Plazmy i Problemy Upravlyaemogo
Termoyadernogo Sintez. Doklady i Kon po Fizike
Plazmy Problem Upravlyaemykh Termoyadernykh
Reaktsii, 19-27 Apr 1962, Kiev, 1963.
*FTD-MT-65-31

Sci ' Nucl Sci
Feb 65

Plasma Physics and Problems of Controlled Thermo-
nuclear Synthesis. Reports of the First Conference
on Plasma Physics and the Problems of Controlled
Thermonuclear Reactions, 201 pp.

RUSSIAN, bk, *Fizika Plazmy i Problemy*
Upravlyaemogo Termoyadernogo Sintez. Doklady
i Konferentsii po Fizike Plazmy i Probleme *22 - Jan 1959*
Upravlyaemykh Termoyadernykh Reaktsii, Kiev,
1962, 176 pp. 9224667; 9224754
AEC-Tr-6396

Sci-Nucl ~~Soviet~~
Sep 64

267,306

Plasma Physics and Problems of Controlled Nuclear
Fusion, Conference Proceedings, 446 pp.
RUSSIAN, bk. Fizika Plazmy i Problemy Upravlyаемого
Termoyadernogo Sintez. Doklady Vtoroi Konferentsii
po Fizike Plazmy i Probleme Upravlyаемого Termo-
yadernogo Sintez, Khar'kov, 14-19 Nov 1963. 9228771-V
AEC-Tr-6527 9228771

Sci-Phys
May 65

280,216

Influence of Radiation Effects on the Recombination of
Electrons of Plasma in a Strong Magnetic Field,
by A. I. Akhiezer, V. P. Aleksei, et al.
RUSSIAN, rpt. Plasma Physics i Problemy Upravlyayemogo
Teroyadarnogo Sintesa, Doklady Vtoroy Konferentsii
po Khimii 14-19 Novembra 1980, Kiyev, No 2, 1983,
pp 13-20.
*FTL-IT-65-# 150

(Possibly)

Sci - MIS

Feb 65

Soil Physics, by I. B. Revut.

RUSSIAN, mono, Fizika Poch', Moscow, 1964, 160 pp.

*CB

Sci-Agr
May 64

Physics of the Boundary Layer of the Atmosphere,
by D. L. Laykhtman, 200 pp.
RUSSIAN, bk, Fizika Pogranichnogo Sloya Atmosfery,
1961.
OTS 64-11016
PL-480

Sci - Phys
Jul 64

263,048

456
Physics of Semiconductors, by A. F. Yoffe; 500 pp.
Poluprovodnikov
RUSSIAN, bk, Fizika Poluprovodnikov, 1957, (pp 491-2)
(revised by author).

INFOSEARCH Ltd
Cleaver-Hume Press Ltd
31 Wright's Lane
London W 8

Sci - Physics
Mar 59

SLA 61-12950

83,739

Physics of Semiconductors and Metals,
98 pp.
RUSSIAN, bk, Fizika Poluprovodnikov i Metallov,
Moscow-Leningrad, 1964, pp 1-76.
JPRS 26774

Sci - M/M
Oct 64

267,966

The Physics of Semiconductor Surfaces, by
G. P. Peka,
RUSSIAN, bk, Fizika Poverkhnosti Poluprovodnikov,
*CB

Sept 66

Physics of the Lowest Layer of the Atmosphere
and the Atmospheric Turbulences, *qpp.*

RUSSIAN, rpt, *Fizika Prizemnogo Sloya Atmosfery
i Atmosferaya Turbulentnost'*, Moscow, 1957,

1957-51.

AEC SCL-T-284

AMS X - R-655

Sci - Geophys

Apr 60

112,968

Infrared Spectra of Stearic Acid at Various
Temperatures, by M. R. Yagudayev.

RUSSIAN, per, Fiz Probl. Spektroskopii, Ak Nauk
SSSR, Leningrad, Vol I, 1960.

ERDL, Ft Belvoir T-1724
(AD 436417)

Sci - Phys
Nov 64

Investigation of Line Intensities of Raman Spectra
of Gases at Low Pressures by a Photoelectric
Method, by Yu. A. Lazarev, P. A. Bashulin.
RUSSIAN, per, Fiz. Probl. Spektroskop. AN Materialy
13-Go Sovesshch., Vol 2, 1960, pp. 22-25.
NLL Ref: 8732 (RT 1340)

sci-cehm
sept 69

7
398,208

R-6544-D
24 Jan 66

New Method of Measuring the Life of Excited Atoms

By: B.L. Vasin, et al

From: ANNA. DOK. SER. FIZ. EST. SPECTROSKOPII

MECHANIZM 13-06 (Transtantsgo. Sovetsk.,
Leningrad) 1960 pp 39-41

(3 pp)

Summary - sent for info:

Type 1 original and 2 carbon copies. Document may be
cut.

R-6545-D

24 Jan 66

**Absolute Values of Intensities of Oscillators of
Sodium Resonance Doublet Lines**

By: E. L. Nikanore, et al

From: **AKAD. NAUK SSSR. FIZ. PROBL. SPECTROSKOPII
MATERIALY 13-Go. (Trinadtsatogo) Soveshch Leningrad,
1960 pp 51-54**

(4 pp)

Russian - out for eds:

Type 1. original and 2 carbon copies. Document may
be out.

Investigation of Line Intensities of Raman
Spectra of Gases at Low Pressures by a
Photoelectric method. 6p, 11 refs. NRC-TT-134-.
By Lazarev, Yu, A.; Bazhulin, P.A.
RUSSIAN, mono. Fizicheskii Problemy Spektroskopii,
Moscow Vol. 2, 1963,
pp 22-5.
ETC-69-25494

MAR 1970

404,575

Study of the Properties of Hydrogen Atoms
Absorbed Onto a Silica-Gel Surface by the
Method Electron Paramagnetic Resonance, by
V. B. Kazanskiy, G. B. Pariyskiy, 6 pp.
RUSSIAN, per, Fizicheskiye Problemy
Spektrskopii, No 2, 1963, pp 109-113.
FI00091567
FTD-HT-66-368

Sci - Phys
Apr 67

322,050

Effect of Gibberellin on the Growth, Productivity
and Fruit Shape of Tomato Plants, by S. F.
Negrutskii.
RUSSIAN, per, Fiziol Rastenii, Vol 7, No 6, 1960,
pp 5-734
NIL/M 5182

Sci -
Jul 67

334,217

The Physics of X-Rays, by M. A. Blokhin, 422 pp.

RUSSIAN, bk, Fizika Rentgenovskikh Luchei, 1957,
518 pp. 9081187-V

ABC Tr-4502

Sci - Phys
Sep 61

169,017

Compensation of an Electronic Volumetric Charge
by Alkali Metal Ions, by M. E. Gurtoviy, 1,
N. M. Livshits', 15 pp.

Fizicheskiy Sbornik,
UKRAINIAN, per, ~~Fizicheskiy Sbornik~~, No 9, 1956,
pp 93-100. 9662515

ATTC MXL-822/1

Sci - Min/Metals

Jul 61

159,495